

CLAIMS

1. An electromagnetic relay comprising:

a base;

an electromagnet incorporated to said

5 base;

an armature movably arranged relative to
said electromagnet; and

a contact section incorporated to said
base to be actuated by said armature;

10 said electromagnet including a bobbin, a
coil having a center axis and carried on said bobbin, and
a pair of coil terminals mounted to said bobbin;

each of said coil terminals being provided
with a first end region and a second end region,
15 extending in respective directions transverse to each
other;

said coil terminals being disposed in such
a manner that respective first end regions extend in a
direction transverse to said center axis of said coil to
20 project outward from said bobbin and are arranged side-
by-side in a row extending substantially parallel to said
center axis, and that respective second end regions
extend in a direction parallel to said center axis of
said coil to project outward from said bobbin and are
25 arranged side-by-side in a row extending substantially
transverse to said center axis; opposite wire ends of
said coil being connected respectively to said second end
regions.

2. An electromagnetic relay as set forth in claim
30 1, wherein each of said coil terminals is further
provided with an intermediate length extending between
said first and second end regions, said intermediate
length being closely embedded in and integrally fixed to
said bobbin.

35 3. An electromagnetic relay as set forth in claim
1, wherein said coil terminals have lengths different
from each other.

4. An electromagnetic relay as set forth in claim 1, wherein said second end regions of said coil terminals extend in respective orientations opposite to each other in relation to corresponding first end regions.

5 5. An electromagnetic relay as set forth in claim 1, wherein said first and second end regions of said coil terminals extend in respective directions orthogonal to each other.

10 6. An electromagnetic relay as set forth in claim 1, wherein said contact section includes a fixed contact plate and a movable contact plate; said fixed contact plate and said movable contact plate being provided respectively with end regions extending in a direction transverse to said center axis of said coil to project
15 outward from said base; said end regions of said fixed and movable contact plates being arranged side-by-side in a row extending substantially parallel to said center axis and aligned to said row of said first end regions of said coil terminals.

20 7. An electromagnetic relay as set forth in claim 1, wherein said electromagnet further includes an iron core received in said bobbin and disposed along said center axis of said coil, and wherein said
25 electromagnetic relay further comprises a yoke securely joined to said iron core to form a magnetic path around said coil; said yoke being provided with a protrusion tightly engaged with said base; said electromagnet being fixedly mounted to said base through an interengagement
30 of said protrusion with said base in a press-fitting manner.

8. An electromagnetic relay comprising:
a base;
an electromagnet incorporated to said
base;
35 a yoke securely joined to said
electromagnet to form a magnetic path; and
an armature movably supported on said

yoke;

said yoke being provided with a protrusion tightly engaged with said base; said electromagnet being fixedly mounted to said base through an interengagement of said protrusion with said base in a press-fitting manner.

9. An electromagnetic relay comprising:

an electromagnet including a bobbin, a coil having a center axis and carried on said bobbin, and a pair of coil terminals mounted to said bobbin;

each of said coil terminals being provided with a first end region and a second end region, extending in respective directions transverse to each other;

said coil terminals being disposed in such a manner that respective first end regions extend in a direction transverse to said center axis of said coil to project outward from said bobbin and are arranged side-by-side in a row extending substantially parallel to said center axis, and that respective second end regions extend in a direction parallel to said center axis of said coil to project outward from said bobbin and are arranged side-by-side in a row extending substantially transverse to said center axis; opposite wire ends of said coil being connected respectively to said second end regions.